Ano

Inaugural Difsertation

On

Digestion

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## Of Digestion

By the term Digestion no are to understand that penetion of assimilation, by which the various changes are produced, which extraneous substances undergo, when subjected to the action of the digestive apparatus : producing a compound eminontly subeservient to the growth and nourishment of the body. Owing to the changes of composition and decompositions that are continually going on in all living bodies. a disunion of their elements. an alteration and decomposition of the whole maps, constituting the body, worth newbarily ensue? if not prevented through the medium of afimilation, which consisting of the changes that the food undergoes when taken into the digestive systems, or Digestion and Chylifications, of the changes that are wrought on the nutritive fluids during its circulation through the body, or in other words Languilication and Secretion, and also of the bodaument , and removal of it's particles in almost every part of the box edy, constituting what are called exutrition and Absorp

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Of the Digestive Apparatus

Cong animal form man down to the Polypus, ex-

rolled. e wally to ging the Shin and Tha which less the Stome by the ore then conti

Spe be considered as an efectial characteristich of animals, Jointing out the grand distinguishing mark between them and regetables. In some animals it consists of a memor soranous pouch orchag; in others of a long tortuous, museu, to munbranow tube, extending from the mouth to the anud, as in man, fanifully compared by some anatomists to a meandrous streams fertilizing the plain through which it baja wes. Again in some there is only one opening serving the common purpose of receiving the food and yesting the excommonditions part, as is the case with the Zoophyte; but gen corally there are two openings, the one serving the purpose of receiving the aliment, as the mouth, and the other dischar, -ging the office of an outlet for the excrementitions mass.

In man it is not of an uniform sing throughout its whole length, hing expanded at the commensuement to form the tracks and Thompson, and then contracted to form the tracks organizable heads from the Theory recent to that important organizable heads from the its a smalled membraness bazz forms by the victimize, which is a smalled membraness bazz forms by the victimize of the projects of the about any canal. Are then contracted into a long, winding hellow take, fine or

the chito called to than the ming the rles to 7 is quite thought ! ready of have a sp

six times the length of the body, but proportionally longer in the chito than in the adult. This part constitutes what are called the Intestines; the upper portion of which being smalled than the lower, has induse anatomists to divide them into small was great Intestines; each of which is subdivide into three others, Fig. the Duodomino, Syinum, and Shum, constituting the small, the bounn, bolow, our Returns for aming the large intestines . The canal is present to of van - rious lengths in different animals; according to the na time and quality of the Good to be digested; approaching more or less to the materials of the body into which it is to be converted: consequently it diffus considerably in the horbing corous and carnivorous animals, being in the former much more extensive and capacions; indea often complicatedo, so constructed as to rotain the foreign aliment a sufficient length of time to be thoroughly digested; whilst in the latter it is quite differently constructed, being simply a short and straight canal, whereby the food, which is animal, al ready approaching near to the materials of the body, may have a speedy exit. The reason why it is thus constructed

, fuo re. to anin Lingdom the globe. the of History - If there . to heave to mation is chained enough. If the aliment were the remains larger it would interestly easy of putroparties, probably emvalues that proof by which the system encouragement of the encirously deleterious. Before the these man holds a middle encirously grade. Before we provide any faither the asmate a flow of marks on Took thereon and thirty.

Whilst some animals derive their marishment sole, age how the vary street of the vastrille that his entirity on the animal hingedom. You again man enjoys melion vity. The is not competed to be a visualisely with a vice of hingdom, in the other last epitating to the vice tast of the man appetite he partake indifferently of inthe.

Andeed a new is not confirm to my portion of the globe, initialiting the territ as well as the fright zone, which include countries quicking selely the our himpolimical the other, it must meriantly fellow that nature distinct initial reclusioning or wither, movether with it is a selection of first among the different mentals. These intesting the south proper a regulate at act, because its Digestine produces by heat; white these

inhabiting Inu, to a unitally All anin Should de hysiolog ciple , or Fromoting derrient e Hi Vanger is to huspon laine. 3. inhabiling the Northerne climes, line on mour nourishing and office the healing quality of their neurishments generally use stimulating strinks. Suffery as it is that a land neurishments of animal thento tale it is no instruction that they should drink. It is ditt a medic of dispets among plugsiely ich whether water afferes any metricion byring after on whether it is also of the theory punishely the job mit in it is fast of the through punishely the most of a first in the probable that it is such second to the probable that it is such second.

## of Hounger and Thirst

ett animate are naturally named by the derived of Monger and Shutt to seek a supply of nowishment you the hope of compensating the lopes which they daily say tain. The term Herney may be defined, that dishelp ine sensation which is course by a diminisher quantity of or a less long abetinement power foots. If this ab

most series hillo of to lility, as no the in Joen death ger min The de -blain th in the wer he suppo dition the . the pain ratide in cheme, co thenten . Almene be comment to long it will be production of the most serious consequences, a coordinate descendence that helle of the local languar debition as moraled tensibility and a painful consulting at the professional factor of the standard as the most immediate effects, our if anger stall farther over deather with it has consequence. Become did to from one of the most in the consequence of the relieity of control and interior of most contentions have chiefered did to the most time of the most interior of the most interior of most contentions of the most interior of the m

The different theories that have been advanced to be a blaim the theoremence of hongre, such as an uneauting in the themself variety from its very in and many date the entation products on the Diaphraem by the veryth of the Love own I them, not receiving their , due suffered from the America when of the gather inice on the pariets of the stemach. The supposed remining you wanted in the gather black we are indicated in the gather black or are indicated in the gather black or are indicated in the gather black we are indicated in the gather black or are indicated.

= hathii This Aris like Altay Viray V. Bu A affect its the into as - very sursation existing in the Homack, speeduced by syme whathing with the townth of the orneral system.

This is rendered more probable when we consider that i is like all other necrows smaller under the influences white The we see the period of meals is entirely as. hitrary with the individual. It also time that hun ger is considerably influences by profisers of the mine, Map Ve. . But to adde still farther to the blansibility afthis thees my, ne should not neglect to mention, that if the Hemacke se affected in any manner such as schierhosity of the Belower to. the distreping desire of hunger will not be ap proud although a sufficient quantity of food to taken wite the stemack. Sist at gist view appears greatly to sut hort the highetheris, but by commining it ditt arther we shall give that hunger in this case is heft up by the initable state of the stemach, perching it to excel its em Sints about immediatoby after their reception, regere chigle or even chigine could is journed.

The oflering exchen will also ofer itself: why is hunger is a nervous sensation in the stemach? oprodu

put to Miciont 9 Morning omigatio. Singents . Waxe the I much. Thing sufice · Vaces the · Trigo the ylain mi grisions or in redinate 1 the Hora

wet by sympathising with the wants of the orneral system, should it be relieved immediately on the suftine a suf-" juin quantity of food. This objection gave rice to the corrugations of the interior court of the stomach. This ne: count in its being increased by cold whichs, billers, nottringents, ke. In the same manner it exploring the dine = inction of hunger by warm drinks and any thing that recover the system. The food couring a distansion of the Momach, Hucky accoming the congetion, removes hum gev. The the preceding theny it accounts for hungers f Thering subject to the lawy of habit and narrows incluence. Maler diminimes the sections, the Mouths and Threat, ir carries of the fine when secreted, fire -duces the undations of heat and daynes, which charace - wigo Thirst. In the same manner we may alreer splain my thirst is so usent and troublesome when the experience a secretions of the distrent parts athe body are inordinately increased; which, directing the watery part of the Horde from the months and throat, consequently

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opedan thinst. I had is the case in diopsies. Made does not alleviale thinst is readily as more themselving denings, which may configurate and threat consequently soons along thinst. The specie of this atthinst seems distingting an me is mischicrosed as insist of hungar, as internet so or never of foreing things in which, and even your nettened dentity of the last foreing the last instances are never to be individually sing the problem of the years over your nettened dentity or the problem of the years are consistent of individually sing the problem of the years are on any author true in your neutronists that their cases are of ruth ran accountable.

9. Hasticulien Salivary Solution

Mun the rocker received into the Mouth it is take juited to the action of the Eifer Checks. Turque, and Some with their Geth, by which a complete division is effective, for the freshow of being more readily mixed with

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the Salina, which is a transparent visite fitte consisting of mater, albumm, and wend salts, ever surveise by the clouds with mighturshed of the mouth, animoment in it pariets in considerable quantity, especially due ving martitating. The choice was of the Salina is to moisten the pariets of the marthe and survivers of the hisparent of salina is the might be the purpose of the hisparent of the purpose of subtances.

of also, by it lindereating quality facilitates the people orige of the food into the thomack. But its exercisely downer the form on the centrary is in generally bliced that it exists some action on the chimical frequencies to that of the cashine fluid. May rest the union of experience with the station and aimment development of properties from according about time according changer a matter food handered there we musticiated and fundated by the station, it is colling on most the different of parts of the most of by the trained and of present on its upper surface in the form of an order. It is then forces into the thangers, by the raise

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sing of the above and the depriping of the basis of the tingue. Then the pleasages it is considered into the complete it is constituted what it paper winter the stemach. This constitutes what is continued in

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Am jorde de Suit desent through the pharyne are arephagus muluially a it comproves but principalityly the contraction of the adjacent musics, one also by the contraction of the misular coats of the openion and contraction of the misular coats of the openion and couplings. This in free and which the much of degles either are affected with fravely it which is the sent of the fragment of the free with east, although their freed into the terms of white bodies. The chaptages of the freed into the terms of which there is the first of the the fragment of the freed into the timester infaithets by the without or and of the opening was a supplicated.

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## Of Digestion in the Stomach

The aliment, after having receiver the imprefixed of marker how and the sations is accommutated in the Stemack. There to be influenced by changes still more important than these hithers netice; hat what these

change are, is aget underide.

Proper I proceed to speak of the processes, which are now conversely supposed to effect Digestion in the Rommande, it may not be improper to mention the various theories that have here actually and to mention them in detail would be bother each of them through suffice to truck each of them through the think each of them briefly better that the philosopher that was ason, which the content to explain the phinoconema of Digestion by the theory of the ancients, but they did not made by the term to signify that hear is the test cause of Digestion and that it is the forming a gent; as the over itself in about. Interior it is that hear is after that you could be supply that the treat is after that you when the supply that the treat is after that you when the street itself in

I the due; . whomes. 1. Fahrent Extinity is 2 iso to the . Hr. John & to but 1. inimal a Inner she y'eat rouses T's parti s fing supp a lated to or = ventral it a topses; bu Tallen es

to the due performance of Digestion. This is shown by the experiments of a paleaugani , which prove . That the quebric fine, one of the principal agents of Digether Inas no more effect than common water in distring alimentary substoness, when the temporation is before twenty one degrees. of Sahrenheits thormometer; but on the contrary, that it's activity is considerably increased, when the temperative is raited to thirty two degrees above the freezing from Mr. John Fronter Shinks. " that heat is not the simmedi cate. but the remote cause of Digestion. producing in the animal on increased activity of all it, functions." Dr. Summer speaks to the same funpose. He says "that heat rouses up the actions of the animal aconomy, and the parts being unable to carry on these actions with ut being supplied with nomishment, the demade must a dim culated to digest to afford that supply . The med themy is Formendation, which was invented by the chemists, who pros = couted it with such year, that at me time it was generally adopted; but in the present reformed state of new sciences it Charfallen into direfute. The principal argument, on which

Frot. . u capo This Withon in Immatin · At prove drients - of mo , menter 1. the st. e retny o l'igestral to the s J' former of omed ory an couse of

it roots, is that only these substances affers nomishment; which are capable of undergoing the proup of formentations.

This is true enough; but may not these substances, where taken into the itemach, enter into combounds necessary for the Immations of the produce of Digistion in this agams, with and previously induging formentations It was believe by the amiento : us all subtances, which fermont, undorgo that tree sup mon easily, if some substance, which has abready for mustedo , be added to theme, that there continually exists in the stomach a certain leaven. either resulting from a se. cording action, a consisting of abortion of the for already digestedo; but it is probable and in fact cortain, that no such Lewon informa: and morrow it is sufficiently known, that after Digestion is thoroughly completed, no food remained in the stomache to some that purpose. Richerand ways, If formentation he the prouje by which Digetime is chere spormed. it is more probable that it is effected by the pan - any and saccharine, than by the mirous, action, or here . this formentation. Formentation so far from hing the cause of Digestion, is found to be presented, one view as:

resterbily Who. S. 70 . no respe Procefees 'any so dancer i i's act of that of tow wie is the do though ' would . Hosed to chment and cons tracts or 7 the mees 184 . com rested by the Stomach in an uninent degree. Fermentation at present is ansidered as a leading symptoms of indigistion. Mr. I. Hunten whose opinions are ontitled to so much credit and respect, says," it may be almitted as an avino, that the proughed cannot go on at the same time, in the same part of any substance. therefore neither regetable nor animal sub. - Stances can undorgo their spontaneous changes while ino the act of king digested. it being a mould superior in power to that of formentation. But, continues mothenter" If the digestive power be not perfect, then the vinous and ace ston will take place in the regetable, one the pathefaction in the ford of those animals which live wholly on flesh: although in the last I imagine but very seldom?" Endudo it would seem that Digestion and formentation are directly opposed to each other, the one having for its object the noun: - ithment and veserration of the body, whoreas the other tends continually to its distruction. The ment theory that altracts our attentions, is Frituration. This is the imention of the mechanical ophilosophus, who reasoning from false and ogy . com ared the changes which the for undergoes in

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the gizzare of the first to those accounted by the damade but the comparison is columnly improper have the one viz. In gizzardo is rully the organics matherine, one the other that Disposition.

Lies Steven on a shaltengani papenin experiments tending to preve, that G ignition is effected and principly of literation. In effect this project the one mention to be took. Some on the other himself protocoat he sit takes an Inimize dijetile action when or examination with they was expected from the termark. May were found to have an educan Grigothen. Meners it is influently because that within trettance, we the test of common evertables we. Secund from themselve the disention within without being followed as were instancing alterest.

illawration is another them that was prepared to collain the themenence of Digestian. It mathe opinion of the illegations stalling that the aliment in the itemuch undergo, a stew degree of maintainers and that this is of expected partly by the carrier price, and partly by the carrier price, and partly by the carrier price, and partly by the carrier price and partly by the carrier price and the second description or product to add the second of interior animals at first rive or product to add great plane which to the

Supother line, the wede for . Hairati these was 1 diridu Paunelo, descends. Water from hewed. Ma out effects All

hapothesis, but by farther examination we shall be led to be line, that this structure is intended merely to detain the foods for the propose of modering some changer timilar to Masoration, preparatory to the real digestive prosels. In these animals . viz . the ruminating class . the Gemack is dirided into four distinct apartments. One called the Burnete, into which the good, after imperfect Martication descends. Another winds the Bonnet into which the foods ju for from the grist . From the Bound . the foods being or med into a belies, rices into the mouth . there again to be chewed. From the mouth it descends with the thir dire sieve, the Many oplus, whence it is for rades onto the last Homache denominated the Abomatume, in which the most important part , The Romachio Digestion is per-· jurformed.

Manuation is madequal to the decident of Digestion . Line it only setten and defectors the alimentary may with ent effecting any new temperands.

All these hypotheres being abandoned aimsulficent to account for the phonomona of Digestion, it was neckary

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Had some after should be proported accordingly see first that the standburion of Mounds with our developed me faction by the gastern finish. The Allet accurant and inversions in the proportion, is started by the enhalmed wateries commissing on the internal surface of the Armack.

The interest them I can be presented it is a weath make investigate to the or weath make interest in a court of the control of the control of the court of the co

Thus there former that when vegetable were is not in me devidedly recite and on the contrary and man is a flat do were it exhibited altration for white. It is facultally antistite's so much so that if father a down in a that of full plats in the takens into the

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Stormede that prove will continue to entropy inspendents. Howeld Allo Souther denies that it regulps and made Inspector for and prove that interference where the the actions were made to the actions are reade to be the action and another provides to the actions their sportaneous changes from taking filence.

The most important and intervesting frequency of the control juice is it prairies, where yearlife. The offers, could mistome can search as not intervent of the allow. It is the participant to the the first man arms amounted in the depote motioner it deflects with out as the could be found to the hardest dones on which this amount armstime freds. Every province severe the seterat quality of the courts of any province severe as that depart, we are direct relating term on the standard to the severe done the standard term direct matters.

an gatter quin in it speak has been compared to galeanilm und the pareds of the atemack to as gale rance bottom has all their experience must be finited delivery but all their experiences must be finited and them are

of bunts by so with it of sastrie ju on decomp. white totally in produce · copil in her Many: It stained : A highline co

performed independently of retality, which by it formful in · Thene produces offels that and not otherwise be produce wide. If it should be asked why i Digestion demoted by the application of Salvanisme to the stomack I it might to answer ed that it does not produce this effect, from and identity of recation to the gastie flew; but simply, like other times Sont, by increasing the activity of the Stomacks, The fact vent and most popular theny of Digestions in the Somach? assiles deprincipally to a selections of the alimente in the gastrie juice by which the materials of the alimentare decomposed. new compounds are former, popularing profe certies totally different from the original. The changes, which me produced by the gastrie juice, are probably purely cham. -ieni , Though the stomach commot he considered as a repet, in which Digution of proformed soldy by chemical means: if to the product & Digestion could be artificially oftained; but or the contrary, it must be unsidend as a highly complicated function : dependent on leveral other auxiliary causes; such as animal heat, an internal motive "the aliment, commentat recombline formentation, but bins

probably law film Topic h Tudo m the abit this den the for the ford to not or The Horns tacinus , probably very different the gradual contraction of the much law fibres of the Homach yes. Ohe digestion process may there. cours . It Forder denies that any chemical offert is hereder cedo on the aliment by the gastric juice; but thinks that the winentary westineed which have in themselved all the cirments of chyle, one, by the action of the stomack mid other organs of Digestion, decomposed and recombined in the form of a new substance. Whatever the relien of the gather juice may be, in producing Digethon, within it is that it has actendincy to coagulate alimentary suction -us. Accordingly we find that the first chunge, which the food junchdly undergoes in the Stomach, i coagulation. This takes place so uniformly that it would icen as it I were necessarily perfectory to Digestion: nevertheles thes to is

it can merjanty justimatay to Dijectime: menthaly's their main the not uncertainty lain from a locater and attended for instance, the not consulate, but first entity to the propage of the join who we was no the termody this congrelation is different to four that diff in terima maje, demonstrate change. One what is may a facult is not dijectate at the warms have, but only that chair which inc

the Pyloru 3. Shorter 1 This 14 Som the to der ando es lowed user lows necrest Berait. this time in metartas ing of the

contact with the stomach. One part after having been converted wite chume is to the metion of the struck, forthe through the Potens, when another theutume of the aliment comes in ventures with the Farietes of the stomach is to effected in the manner. Thus Digestino proceeds from the cercum towner is the centre. The aliment romains in the secundir a longer a shorter time according as it is more or less digestible not as partice of it being subjecte to escape until thornghy digested. This office of heventing the paysage & indicatible matter from the Homack, in fur jerned by the Lylones, which he it's tone eder and declive unsitility, visteds only to the impression of that homogeneous cheme, to which sy habit, it has become fore gethe accustomed; unies some indigestible sustance the works -lowed which, by repeatedly coming in contact with the Boin wirw, accustoms it to its improfisher, and thus a parage is afferdet. While Diestion is going one in the stomacht, if it be perfect both of its origines are accurately shut. There is also at this time and increased activity of the Homash, causa by the metastasies, the vital former deserting partially the other parts of the body to concentrate itself in that, which is the west

the oduse · lumits. other part sucho a a 6 Min 19 milde, I himple generally & tothe is glis

of the diestire Inoses. In this names we may be able provident the eduse of the deaths, which so prequently haplen in ornow - inonto, who induly themselves in cating articles ; a nature for indicestible to tyill to the fuble porous of their systems; to whice to considerable a portion of ritality, direting the other parts; the body to pass to the stomach, leaves those in moto a debilitation condition, that it is begond their former is react, and death follows are needpay consequence. In this manner ne may also extlain; why Direction is better informate ine a date of rest. there in a state of attirity. Securise in takent that Some whick would thereised be concentrated in the Mount for the purpose of increasing the activity of Diestion . with he alletted to the regard for the discharge of their respective functions, and Consequently Digestion will hat be so porferly performed as it would. had not this poroco bear thus distributed. On the same principle we may also account for the drowings which is generally felt a short time after meals. In the commence. amont of Digestion a Might chill is generally preceived that opulse busines quicker and harder: the Homache begins to act if fibres abfirst irrentative but alter a short times reg :

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whatly. There which and similar common it their submations at the baction and process to the Before whilst thou which we be extracted and process to the Before white their estimation, to which means the angle former at the Before is somewhat executed the theory policialists the properties of the freedom the Continuous is the description of the development. As has been arrivaled to be an Exercise there we are no before the Che course of this has been alteriorable on the theory of the the second of the theory of the

But their meetinesses theory is a very unsatisfaction one a cliciple is not be much that applained by altochathy it to combarie fundance of the feeds through the identification of its or the right killer of the stomach emphres stuff the white you off I and is succeeded by a depen from the white for its very off and is succeeded then in from the much at white you off produced immediate in mile and is succeeded then in from the order of the succeeded in formation of the control of processing in the control of processing in the weeks to be a child on the control of processing in the control of the cont

lying ! sujiplies . more na that Dig with to The durado ; live, than Heated ;

tiging a section of the righth paint of remedenced without the determents but by supporting the function of the large. It cannot this but by supporting the function of the large. It cannot this wiphing the large present when the beautiful which wiphing the tenth constraint when the same materially interrupted het with tention, when the same was divided above the transference one to the daugh that Destino one entirely suspended. The same of the mine of marches a substance of any thing of persons the minester substances produce on effect summerates suinterly the summerate produce on effect summerates

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Here important sever the change are which are fore during in the Steenach, we have between the areas to be clien that they are not more so there which are effected in the Dudenimo. Sind intellime we account of its fundaments. I the formal arithms in account of its fundaments.

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Then third are secretar by the bour and Cameras the former being situated friendpally in the right superconstriction, and the latter in the portrier part of the Epigastrie reports

In lite is an extremely complicated first own a sitting of water, alknown, Oit, alkali, and several sales. En panereatin juice very much resemble the sales. The presence of the chymn in the Decodement of produces are contained in the parents, which extending by sympathy is the live, galle bladder, and personal.

dantly . the alim undo by . Chived, Bu unfort. Wood H. inent, palie, es der exists into the a parently cases he is - ficiently . able ling cueses them to pair not their respective fluids more abourdantly. The nature of the union between these fluids one the alimentary mays is generally supposed to be chemical, and by this display of chemical affinities it is generally believed, that the chape, the important product of Digosstrone in the disodernance, is freeducer.

But it use the experience of a learner and distinguish, and office whose rand delicacy forbids me to mention? " importunately for an hypothesis, which is somewhere, it has been of late found by experienced, that about may be produced; though the head of the first with a begin of the first with the head of the first with and former ative duck to had."

In Some director, such as founder for morance, there also exists a total distriction to the paperage of the bile with the discourance, neverthely in down that dayle of foreir. May not the least in these case he innected diferior, not having rector to change which is imparted to it by the bile through for a consider, for imparted to it by the bile through for a consider, and in particularly to carry on maritim for a consider, all lingth of time? In the late their mixed could be carry in maritim for a consider.

trinciple. with the or taining 1 Sin of for in the inte - med; the Fruires 1 Trough the · acio dicot puriously 1. Steer Muidity . e posure le the Hords.

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the chymodicides into two parts it vily extracts, and ditter friends to, and inter friends to the coverement time that, and file stimulus, new yary to exist the dissession take, white it allowers and animo particles combine with the chyle, and become a constituent spart of it characteristics nature.

The chife is a blow homogenear fluid, always constaining the storm diment, to regard being had to the him of foods, or which the animals subside.

Some physiclosis arguines in the blish that chyle in the visitations previously to its also plans, in perpetty for sounds theoretic as have flowerable reasons to believe that it receives the finishing elaboration, during its papers through the backede and mountain glamate to the thirties are in the distribution of the thirty are distributed by the distribution of the distribution of

Frencist of three parts. I. one, which maintains its fluidity during tip, but evagulates after death, object exponent to the air. This may be conferred to the februar of the bloods. II. one, which resembles the sorms of the

Hood in co IZZ. one of the Hor ally more byle, the andi of Ach difficient hyle. it is mos Flee these int . w. lolding · riventes . 1. Minuating bleck in continuing fluid white opposite to the air, and inc conjulating at the same degree of temperature as the bleck. 182. One consisting of small plobules analogues to those of the block with this difference, that they are consider; only most minute. From this paper elaboration of the abyle, the foresent forwarding theory of the modes often example if medicines derives to main supporting agen-

## Metion of the Small Inkshines

e offer the aliment has remained in the Dirdmino a infriend ungth of them for the proper formation of the chips. It is populated from that intestine into Dein, and from them into the large intestines, but its forgogs is considerably relaxed by the curvature of their ministens, and much fractionally by the numerous followings of their internal coat, called valenter convenients, which not may impose its progress, but by in a sincerating themselves into its internal fault afford a more

extension tab, m. The gre · iment The als Sition . . Su th derseasis finally d mulate y ja Mi 7/h called in back of H. homo abor easily exh. estinsion surface for the absorption of the chyle by the daz-\*teaty, with which they are abundantly supplied.
The valous a commission together with the lasteds dis-\*minsto as they proceed toward, the great interious.

The great interiors may be considered as a kind of res, corning to continuing the coarmenthias fourt of the alinust; until the be a case for it coarection.

The abining in their intestines is not entirely excurrence - titing, as it stills contains a small of pretime of chyles; but it is some rendered to by the absorptions of this chyles.

In the larger intestines there are a few lastes, which decraving in number as they protee towards the restinct, finally disappeare. The faces these former gradually access, omitate in the restinct, osciting there and visitation needing ory of their oraces are as

When this is proformed the abdominal residule being called with action facility fresh the intestine against the back of the abdoming the Diaphragme acting on them from above electromasters, with the estimo itself contracting, easily expel the facus. With third bring to a conclusion

this differ entension this disportation. Conight savily have ordered with but this

satinismo unito hador his me buyon the bounts to which I am new parity waterists. Nowthely I hope have the unifer stead our intelligable

